



E I N L A D U N G

im Rahmen des Seminars für Mathematische Physik
(Joint TU/UV Theory Seminar)

zum Vortrag

von

Dr. Marco Scalisi

(MPI, München)

über

*„Cosmic Imprints of Quantum Gravity:
Insights from the Swampland Program”*

Abstract: Common lore suggests that effects of quantum gravity are difficult to unravel. The Planck scale is in fact about 15 orders of magnitude above the highest energy reached on Earth, namely at the Large Hadron Collider. The Swampland program suggests instead that the quantum gravity cut-off can decrease thus making quantum gravity effects accessible at energies lower than the Planck scale. In this talk, I will first review some basics of Swampland program; I will then concretely show how the quantum gravity cut-off can drop in certain situations; I will finally explore the implications of this fact for cosmology.

Zeit: Dienstag, 14.11.2023, 14.00 h

Ort: Sem. R. DB gelb 03 (TU Wien Freihaus, Wiedner Hauptstrasse 8, 3rd floor, yellow tower).

gez.: S. Fredenhagen, D. Grumiller, N. Carqueville, A. Fiorucci